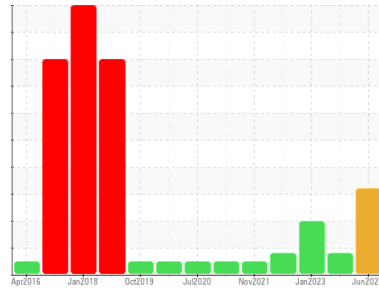




OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id
PETERBILT 367 TCK8969 (S/N 1XPTP4EXZFD215627)
 Component
Transmission (Manual)
 Fluid
SAE 50W (--- GAL)

DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
Moderate concentration of visible metal present. All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the fluid.
- Fluid Condition**
The fluid viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ARI06208219	ARI0006956	ARI0006149
Sample Date	Client Info		11 Jun 2024	21 Jun 2023	12 Jan 2023
Machine Age	mls	Client Info	334567	312161	291262
Oil Age	mls	Client Info	0	0	0
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	66	▲ 242	▲ 228
Chromium	ppm	ASTM D5185m >5	1	2	2
Nickel	ppm	ASTM D5185m >5	<1	<1	<1
Titanium	ppm	ASTM D5185m	2	<1	<1
Silver	ppm	ASTM D5185m >7	0	0	0
Aluminum	ppm	ASTM D5185m >25	4	4	3
Lead	ppm	ASTM D5185m >45	<1	3	7
Copper	ppm	ASTM D5185m >225	19	181	173
Tin	ppm	ASTM D5185m >10	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	125	269	261
Barium	ppm	ASTM D5185m	6	1	0
Molybdenum	ppm	ASTM D5185m	4	<1	<1
Manganese	ppm	ASTM D5185m	5	27	25
Magnesium	ppm	ASTM D5185m	53	4	2
Calcium	ppm	ASTM D5185m	● 103	51	44
Phosphorus	ppm	ASTM D5185m	● 351	1114	959
Zinc	ppm	ASTM D5185m	● 77	52	17
Sulfur	ppm	ASTM D5185m	● 1803	596	290

CONTAMINANTS

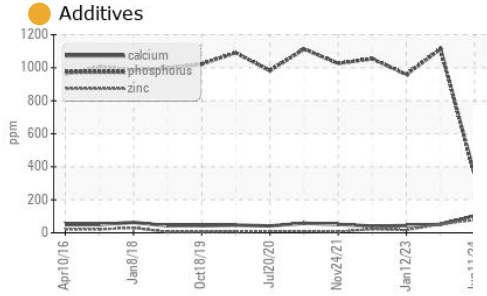
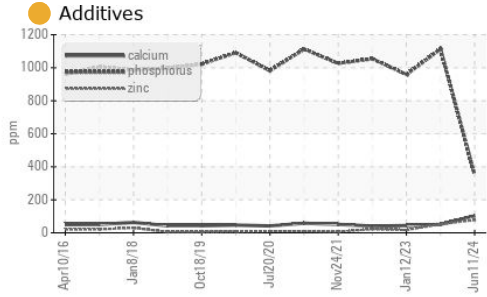
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	25	5	5
Sodium	ppm	ASTM D5185m	8	11	10
Potassium	ppm	ASTM D5185m >20	2	2	<1

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	▲ MODER	NONE	▲ MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
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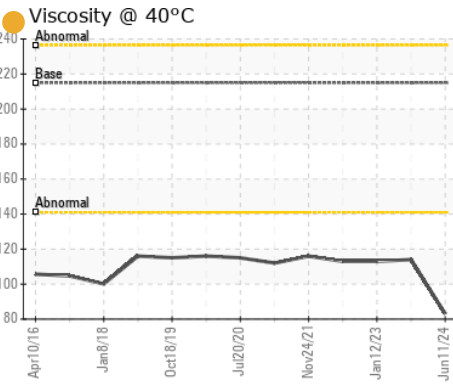
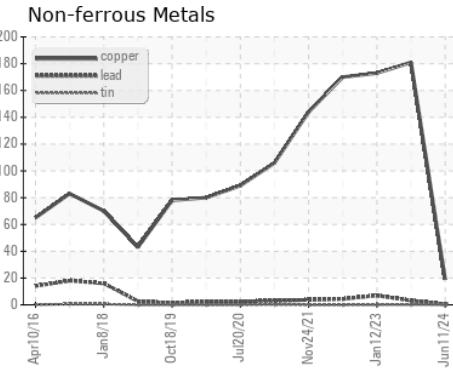
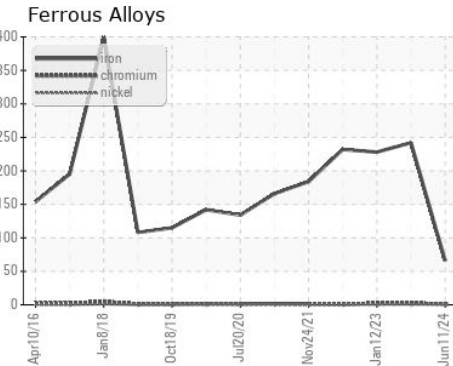
Visc @ 40°C	cSt	ASTM D445	215 ● 83.06	114	113
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			<i>no image</i>	<i>no image</i>	<i>no image</i>
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Bottom			<i>no image</i>	<i>no image</i>	<i>no image</i>
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI06208219
Lab Number : 06208219
Unique Number : 11075680
Test Package : CONST

INSITUFORM TECHNOLOGIES, INC
 17988 EDISON AVE.
 CHESTERFIELD, MO
 US 63005

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact: JOHN SLOAN
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 F: